

Frontoethmoidal mucocoele treatment

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Surgical [removal](#) of the [mucocoele](#) is the most common treatment. Various surgical approaches have been suggested for its management. The surgical approach is usually external as proposed by Bockhmul et al. and Weber et al. which includes the Lynch-Howarth incision and osteoplastic frontal sinusotomy. However, these procedures may be associated with significant morbidity and serious complications such as cerebrospinal fluid (CSF) leak, meningitis, and orbital cellulitis ^{1) 2)}.

Marsupialization of mucocoele with transnasal endoscopy is a minimally invasive alternative to conventional surgery with reduced morbidity and a negligible recurrence rate ³⁾.

A case of a 26-year-old male patient with complaints of swelling of the left eye and double vision for 18 months.

Diagnosis of frontoethmoidal mucocoele with an unusual presentation of lateral displacement of the eyeball and proptosis was made based on patient history, clinical examination, and computed tomography.

The case was managed conservatively with marsupialization of the mucocoele using the [transnasal endoscopic approach](#).

Complete resolution of the Mucocoele and its associated symptoms was observed, and the frontal sinus ostium was found to be patent and completely epithelialized in the 12-month follow-up.

The endoscopic approach toward the management of frontoethmoidal mucocoele is an effective alternative to conventional surgery with less patient morbidity and mortality ⁴⁾.

¹⁾

Bockhmu"l U. Osteoplastic frontal sinusotomy and reconstruction of frontal defects. In: Kountakis S, Senior B, Draf W, editors. The frontal sinus. Springer, Berlin; 2005. pp. 281–9.

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Kochhar LK, Chaudhry S, Kumar A. Frontoethmoidal mucocoele: A case report. Med J Armed Forces India. 1995;51:290–

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Har-El G. Transnasal endoscopic management of frontal mucocoeles. Otolaryngol Clin North Am. 2001 Feb;34(1):243–51. doi: 10.1016/s0030-6665(05)70309-1. PMID: 11344076.

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